

V.D.9 Florida Hydrogen Initiative, Inc. (New Project)*

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**Congressionally directed project*

Objectives

- Broker partnerships for applied technology demonstration projects throughout Florida;
- Sponsor research in the production, storage and use of hydrogen fuels;
- Facilitate technology transfer between the public and private sectors to create, build and strengthen high growth potential, high technology companies.

Technical Barriers

This project addresses the following technical barrier from the Technology Validation section of the Hydrogen, Fuel Cells and Infrastructure Technologies Program Multi-Year Research, Development and Demonstration Plan:

- C. Hydrogen Refueling Infrastructure

Approach

The Florida Hydrogen Initiative, Inc. (FHI) is a 501(c)3 nonprofit incorporated under the laws of the State of Florida to move Florida to the forefront of the nation's hydrogen economy. This is planned to be accomplished through the following activities:

Development of the Hydrogen Infrastructure in Florida

- Mobile Technology Demonstration Projects
 - Hydrogen fueling stations and hydrogen-powered vehicles
 - Hydrogen-powered transit and visitor services projects
- Stationary Technology Demonstration Projects
 - High-visibility fuel cell installations

Hydrogen Research, Development, and Education

- Hydrogen infrastructure research and development
- Hydrogen production technology development, particularly in renewables that use Florida resources such as biomass, solar or landfill materials
- Hydrogen storage technology development – particularly storage for transportation applications
- Education of students and the public
- Policy and market analyses that will facilitate the growth of Florida's advanced energy technology sector

